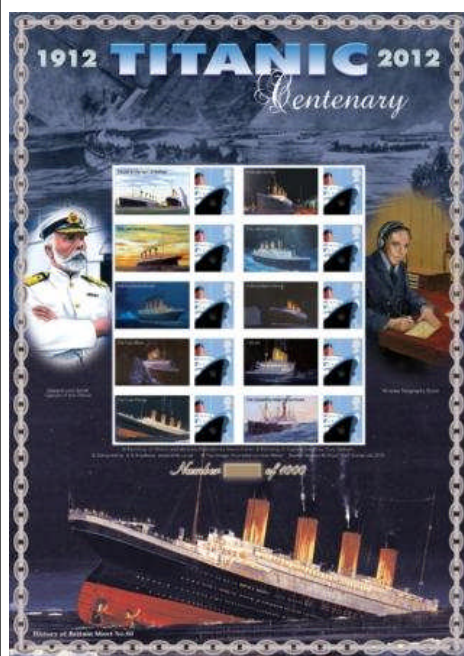


General Meeting
Friday April 20, 2012
7:30pm

Our Saviors Lutheran Church
1035 Carol Lane Lafayette

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April 20 Meeting

PSK-31 on iPad

A Personal Journey

By Kristen McIntyre, K6WX

Sometimes frustration, not necessity, is the mother of invention. In this case, it motivated me to create a PSK-31 implementation for the Apple iPad. In many ways, iPad is an ideal platform for digital modes. While the code is still continually evolving, it was a fascinating journey through the PSK-31 specification and protocol, signal processing theory, other people's code, and sleepless, coding-impassioned airplane flights through Asia. This culminated in the first six QSOs that we know of using iPad being done in late January 2011 at Amateur Radio Technology Day. Join me as I take a look back at why I did this, some of the inner workings of PSK and other signal processing pieces, and where it might lead in the future.

Kristen McIntyre, K6WX, has been interested in radio since she was about 5 years old. She started in Amateur Radio in 1979 getting her ticket while at MIT. Kristen has worked in many diverse areas from analog circuit design to image processing to starting and running an ISP. She is currently working at Apple on Time Machine, and spent many years at Sun Microsystems Laboratories where she was researching robustness and emergent properties of large distributed computer systems. She is a long time denizen of Silicon Valley and has worked at or consulted for many of the usual suspects. Kristen is an active ham and loves to chase DX on HF with her Elecraft K2 which she built while visiting her mother in Florida. She is an ARRL Technical Coordinator for the East Bay Section, president of the Palo Alto Amateur Radio Association and is active in many local clubs.

Generous Donation from AD6OG Estate Helps Club Auction

By Terry Matzkin, KE6WRE

Harvey Casson, AD6OG, was born in Brooklyn, NY in 1922. He became interested in amateur radio in high school and built his own crystal radio set. He majored in physics in college and was one of those special people who worked on the Manhattan Project in Chicago. Harvey met his future wife, Sophie, while she was in medical school. She became a pediatrician and worked at several offices in the Bay Area including Childrens Hospital in San Francisco and Diablo Valley Pediatric Group. Harvey became a radiation therapist in San Francisco, Berkeley and John Muir Hospital. Harvey's interest in ham radio re-kindled in California and he was active in MDARC and enjoyed PACIFICON conventions for many years. Sophie became interested in radio and became licensed as KI6ENH.

In 2009 Harvey passed away from cancer and other health issues at age 87. Harvey and Sophie were married for 58 marvelous years.

Sophie contacted our club a few months ago to discuss how to make the best use of all their radio gear. She decided to make an outright donation of many hundreds of dollars of radios and assorted supplies for the auction. The club is most grateful for Sophie's very generous gift.



Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

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Webmaster: Gene Sylls KG6EYE

Membership Chair - Tom Deeble KA6SIP
mdarcmembership@mdarc.org

The Carrier Newsletter
Editor, Matthew G. Vurek N4DLA n4dla_cs245@yahoo.com

Public Information Officer - Gene Sylls KG6EYE
Webmaster - Marvin Miller WA6GBW
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Elizabeth Styles KG6HLV
Communications Trailer - Brent Morgan AF6HQ

Amateur Television Help and Information:
John Schuler W6DTV JOHNQRZ@aol.com

ALL MEMBERS ARE INVITED TO JOIN THE CLUB YAHOO GROUP. DOWNLOAD FILES, INCLUDING *THE CARRIER* IN FULL COLOR AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

The Auction was 'Lights Out' !

No power? No problem !

By Vice-President Jim Siemons, AF6PU

I arrived at 5:20 PM to Our Saviors's Lutheran Church, our regular meeting location, to get started unloading donated items to the auction. When I arrived, I found George Tickner K6NHY inside the building and sitting in the dark. He came at 5:00 PM to open up the room for our access, and soon thereafter the lights went out. It was raining heavily outside. We hoped against hope that the lights would come back on, but that was not to be the case. It was reported to me that the buzz on our 2 meter repeater is that the auction would be cancelled - but that is not how we operate! Hams started showing up with generators and lights that not only allowed us provide us a little help against the darkness, but also provide the needed electricity to operate the computers, printers, and wireless network needed to operate the auction. The bottom line is that we operated "Field Day" style, and a great time was had by all!

Thank you to K1LED and all the bidders and sellers: KG6ACD, W0WEB, KE6WRE, K6VK, WA6NPC, NC6D, WA6GY, AD6HD, AF6PU, WW6USA, AE6BG, KA6SFT, K2GMY, KJ6RAB, K6DSC, K6JM, K6VT, K6KWR, KM6QX, KA6SHE, WA6CIE, KG6ATH, KI6SVC, KA6TIM, KE6LVP, AA6GI, KJ6IGX and KM6XU.



March 5, 2012 Board Meeting Minutes

Presided over by Vice-President Jim Siemons, AF6PU

Recorded by Richard Fletcher, AF9RF, Secretary

The meeting took place at 7:00 pm at the Buttercup Restaurant in Walnut Creek, Ca.

Attendees were: Bill Swindell, Ron Luttringer, Paula Costa, Tom Deeble, Trevor Hall, Misa Siemons, Dale McIntire

There a motion which was seconded and approved to accept the minutes of the previous month's meeting.

Misa Siemons submitted the Treasurer's report for the month of February. The grand total of the club's accounts was reported as \$39,699.71. This was a motioned, seconded and approved to accept this report. She also noted that she received a request to pay for the Field Day banner,

There was a tech committee report of no new progress on the ATV repeater changes.

Bill Swindell reported that, because of the annual auction being held at the March meeting on the 16th of the month, there would be no VE activity then. He said that there would be VE testing at the SATERN location on the evening of the 15th at 7 PM.

Tom Deeble gave his membership report noting that there were still 2011 members that have not renewed. He notified them as a reminder.

Paula Costa briefly discussed the status of Pacificon hotel accommodations.

Bill Swindell described the methods involved in the administration of the annual auction.

Ron Luttringer spoke about the "grant pursuit" effort and asked for and received a description of the "ham of the year" and "kilroy key" awards

New business - Tom Deeble suggested printing and distributing a tri-fold pamphlet describing the club and its activities.

The group discussed supporting AMSAT in their efforts with the Fox-1 CubeSat program. There was a motion, seconded and approved to take this to the general membership for approval.

Ron Luttringer announced that there would be a Field Day activity on Mt. Diablo as an adjunct to the Heather Farm gathering. There was motion, seconded and approved to do this.

There was a motion, seconded and approved to adjourn at 7:55 pm.

Respectfully submitted,

Richard Fletcher, AF9RF
Secretary

April 2, 2012 Board Meeting Minutes

Presided over by Robert TeVrucht, President

The meeting took place at 7:08 pm at the Buttercup Restaurant in Walnut Creek, Ca.

Attendees were - Bill Swindell Ron Luttringer Jim Siemons
 John Primus Trevor Hall Misa Siemons
 Dale McIntire

There was a motion, which was seconded and approved, to accept the minutes of the previous month's meeting.

Vice President Jim announced the program for the upcoming general meeting for this month as a presentation by Kristen McIntyre about PSK-31 operations.

Misa Siemons submitted the Treasurer's report for the month of March. The grand total of the club's accounts was reported as \$43,116.24. She reported the annual auction as a big success. The club netted around \$1,600. Acceptance of this report was motioned, seconded and approved.

E.C., Tom Kramer, said that packet radio is getting some attention for use in emergency communications.

Jim Siemons reported that a pc board that would allow one to build their own D-Star repeater will soon be available.

The Tech Committee chair, Trevor Hall, said that any progress on the North Peak ATV move will be after the rainy season. He discussed insurance requirements for that site.

John Primus handed out a report that showed the results of SATERN training activities and upcoming classes. It said that the most recent General Class course resulted in the 9 new general and 1 extra class licenses. It said further that there were two classes in progress as of March 28th. One Tech and one General.

Jim Siemons announced that, per Tom Debble, 304 of 371 2011 members have renewed thus far.

The annual auction came up again and all agreed that it was a success this year.

Ron, K6XC, briefed everyone on the club awards for the year saying how the selections are made. He went on to discuss grants.

New sites were discussed and it was determined that no action had been taken recently.

Under new business the requirement by the Buttercup restaurant to require us to have a contract with them to continue holding meetings there was discussed and it was suggested and agreed to that we consider the Black Bear restaurant for future meetings.

The meeting adjourned at 8:02 PM

Respectfully submitted by Richard Fletcher,
AF9RF, Secretary

PUBLIC SERVICE OPPORTUNITIES

It's that time of year when we begin organizing for this year's ham radio public service events. I am putting together a list for the MDARC Public Services webpage and for The Carrier newsletter. Here is a sneak preview, so you can begin planning what you would like to volunteer for. Some information below is not yet fully confirmed. We definitely appreciate and love to have your participation. These are great events in beautiful places, they are fun to do, invaluable to the community organizations that we assist, and great opportunities to use your cool ham radio equipment.

4/21/12: Diablo Trails Challenge out of Castle Rock Park in Walnut Creek, for Save Mt. Diablo
Radio Coordinator: John Stuart

4/28/12: March of Dimes Walk on Iron Horse Trail out of San Ramon, for the March of Dimes
Marching for Babies
Radio Coordinator: Pete Harris

5/5/12: Mt Diablo Trailride Association Trailride on Mt. Diablo
Radio Coordinator: John Stuart

5/13/12: Berkeley Hills Roadrace bike ride (Mother's Day) in East Bay Hills
Not an official MDARC event, but they have asked for help. The ham radio coordinator is also asking for help with doing net control. Marty Heyman used to be net control, but I understand he has moved away.

7/4/12: Pleasant Hill 4th of July Parade (morning), for the City of Pleasant Hill
Radio Coordinator: Pete Harris

July and August, 2012: 2 or 3 Alcatraz swim and San Francisco Triathlon events in San Francisco Bay and waterfront. I hope to soon have dates.

10/7/12: Mt. Diablo Challenge bike ride up Mt Diablo, for Save Mt. Diablo.

Pete Harris, KE6ZIW
Public Services Coordinator
Pharris125@comcast.net
925-228-4503

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Sunnyvale, CA	sun@hamradio.com	1-408-736-9496	1-800-854-6046	1-408-736-9499
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The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



FIRST CLASS

October 12, 13, 14, 2012

W6CX Nets and Repeater Frequencies

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm General ATV Net 1241.250+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 offset plus 2.5 MHz

<http://www.dstarusers.org/viewrepeater.php?system=W6CX>

Dashboard link is: <https://64.81.254.107/status.html>

ATV Input: 1289.25 MHz AM/FM. Outputs 1241.25 MHz AM 919.25 MHz AM

ATV Internet Stream: <http://www.w6cxatv.net/live>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.3 PL)

April 2012 and May 2012 Club Calendar

Friday April 20, 2012	7:30pm	MDARC General Meeting - <i>Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette</i>
Saturday May 5, 2012	9:00 am	MDARC Technical Committee <i>Environmental Center, 2581 Harbor Street, Pittsburg</i>
Monday May 7, 2012	7:00 pm	MDARC Board Meeting <i>Buttercup Bar & Grill 660 Ygnacio Valley Road, Walnut Creek</i>
Friday May 18, 2012	7:30pm	MDARC General Meeting <i>Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette</i>